The Polis Center is announcing the availability of multiple paid student internships. The internships will begin in the spring of 2008. Most of the work to be completed under these internships will involve GIS data collection, manipulation, and analyses related to Federal Emergency Management Agency Multi-Hazard Mitigation Plans (MHMP) for counties in Illinois, Wisconsin, and Indiana and the SAVI Community Information System (CIS) grant in Central Indiana.

In addition to working on the MHMP and CIS grants, interns may provide GIS implementation tasks for one or more business and government organizations. As an example, one of our former interns assisted a private real estate development company in Indianapolis. He organized and processed the data to standards, documented the process, and installed the data in their office.

Examples of tasks to be performed for both the FEMA and SAVI Community Information System (CIS) grants are included below.

- GIS-enable location based data from businesses and government agencies. Students will manipulate ESRI geodatabases which contain the critical facilities, community assets, and geographic boundaries to prepare the data for analyses.
- Prepare visualization materials which depict the spatial relationship of various data.
- Complete tornado, flood, earthquake, and hazardous material analyses for selected counties. The student will work closely with our project engineer to develop standard processes and documentation.
- Should the intern's schedule permit, attend Pre-Disaster Mitigation Planning (PDM) meetings with regional planning agencies and counties to present and explain the maps and analyses that they have completed.
- Introduction to the ESRI data interoperability extension and Python and SQL scripting.
- Geocoding, including configuring address locators in ArcGIS, downloading address data from an Oracle database and interactively matching addresses.
- Fulfilling SAVI data requests including creating presentation-quality maps and graphs as well as collecting and organizing data from SAVI and other websites.
- Editing spatial data to be placed within an ArcSDE spatial database.
- Creating and editing html pages for online publication such as newsletters and help files.
- Developing training curriculum for SAVI's instructor-led training program.

In addition, to the tasks noted above, interns may be tasked with supporting the development of GIS course curriculum through materials development and editing. In addition, it is possible that interns might be offered the opportunity to provide course instruction provided that they have the required technical and communication skills. If you are interested in this position please send a resume with cover letter to John Buechler at jobuechl@iupui.edu